UTILITY	Attorney Docket No. PD-02W158
PATENT APPLICATION	First Inventor or Application Identifier DAVID J. KNAPP
TRANSMITTAL	Title OPTICAL SYSTEM HAVING A TRANSMISSION
for new nonprovisional applications under 37 C.F.R. § 1.53(b)	Express Mail Label No. EV 291142412 US
APPLICATION ELEMENTS APPLICATION ELEMENTS APPLICATION ELEMENTS	ASSISTANT Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC 20231
* Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	5. Microfiche Computer Program (Appendix)
Specification [Total Pages 18 (preferred arrangement set forth below)	6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- Descriptive title of the Invention	a. Computer Readable Copy
- Cross References to Related Applications	b. Paper Copy (identical to computer copy)
 Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix 	c. Statement verifying identity of above copies
- Background of the Invention	ACCOMPANYING APPLICATION PARTS
- Brief Summary of the Invention	
- Brief Description of the Drawings (if filed)	7. Assignment Papers (cover sheet & document(s)) 37 C.F.R.\$3.73(b) Statement Power of
- Detailed Description	8. 37 C.F.R.§3.73(b) Statement (when there is an assignee) Attorney
- Claim(s)	9. English Translation Document (if applicable)
- Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) [Total Sheets 4	Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations
Oath or Declaration [Total Pages]	11. Preliminary Amendment
a. Newly Executed Combined Declaration	Return Receipt Postcard (MPEP 503)
and Power of Attorney	(Should be specifically itemized)
b. (for continuation/divisional with Box 16 complete	statement filed in prior application
i. DELETION OF INVENTOR(S)	(PTO/SB/09-12) Status suii proper and desired
' Signed statement attached deleti inventor(s) named in the prior appli	14 1
see 37 C.F.R. §§ 1.63(d)(2) and 1.	.33(b). 15. X Other: Certificate of Mailing

For CONTINU	JATION or DIVISIONAL APPS only: The I, is considered a part of the disclosur the incorporation can only be relied upon	e entire disclosur e of the accompa	e of the prior application, f mying continuation or divis	sional applicatio	ath or declaration is supplied in and is hereby incorporate	ed by			
	17. C	ORRESPOND	ENCE ADDRESS						
X Custom	ner Number or Bar Code Label (Insert C	Customer No. or A	ttach bar code label here)	or 🗆 Corr	respondence address below				
Name	Patent Docket Administration								
Name	RAYTHEON COMPANY								
	Bldg. EO/E4/N119								
Address	P.O. Box 902								
City	El Segundo	State	California	Zip Code	90245				
Country	United States of America	Telephone	(520) 794.7980	Fax	(520) 794-8171				
Name (F	Thomas J. Finn		Registration No.	(Attorney/Agent)	48,066	7			

Group / Art Unit:

Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Prior application information: Examiner

Signature

08/04/03

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE U.S. DEPARTMENT OF U.S. DEPARTMENT

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Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

Thomas J. Finn

wom as

Name (Print/Type)

Signature

TOTAL AMOUNT OF PAYMENT (\$) 750.00

Complete if Known						
Application Number	NOT YET ASSIGNED					
Filing Date	HEREWITH					
First Named Inventor	DAVID J. KNAPP					
Examiner Name	NOT YET ASSIGNED					
Art Unit	NOT YET ASSIGNED					
Attorney Docket No.	PD-02W158					

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. ADDITIONAL FEES					
Deposit Account:	Large I	Entity	Small	Entity		
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number 50-0888	1051	130	2051		Surcharge - late filing fee or oath	Fee Falu
Deposit DAYTHEON COMPANY	1052	50	2052		Surcharge - late provisional filing fee or	
Account Name	4050	400	4050	400	cover sheet	
The Commissioner is authorized to: (check all that apply)	1053 1812	130	1053 1812		Non-English specification For filing a request for ex parte reexamination	
Charge fee(s) indicated below Credit any overpayments	1804	920*	1804	_,	Requesting publication of SIR prior to	
Charge any additional fee(s) during the pendency of this application	1004	320	1004	320	Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION	1252	410	2252	205	Extension for reply within second month	
1. BASIC FILING FEE Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee	1255	1,970	2255	985	Extension for reply within fifth month	
1002 330 2002 165 Design filing fee 750.00	1401	320	2401	160	Notice of Appeal	
1003 520 2003 260 Plant filing fee	1402	320	2402		Filing a brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 750.00	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue fee (or reissue)	
Extra Claims below Fee Paid Total Claims 20 20** 0 x 5-0-	1502	470	2502	235	Design issue fee	
Independent Company	1503	630	2503	315	Plant issue fee	
Claims Multiple Dependent 3	1460	130	1460	130	Petitions to the Commissioner	
} . ` . ' L!	1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	1 40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection	
1201 84 2201 42 Independent claims in excess of 3					(37 CFR 1.129(a))	
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination	
<u> </u>	Other	fee (sp	ecify)		of a design application	
SUBTOTAL (2) (\$) -0-				Filing F	ee Paid SUBTOTAL (3) (\$) 40.00	
**or number previously paid, if greater; For Reissues, see above					305101AE (3) (4) +0.00	
SUBMITTED BY					(Complete (if applicable)	

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Registration No.

(Attorney/Agent)

48,066

Telephone 520.794.7980

8-4-03

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL **NOT YET ASSIGNED Application Number** Filing Date HEREWITH for FY 2003 DAVID J. KNAPP First Named Inventor Effective 01/01/2003. Patent fees are subject to annual revision. NOT YET ASSIGNED **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 NOT YET ASSIGNED Art Unit (\$) 750.00 **TOTAL AMOUNT OF PAYMENT** PD-02W158 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) 3. ADDITIONAL FEES Money Credit card Other Check None arge Entity , Small Entity

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	-	(s) indicate		ow, except for the filing fee account.	ı	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
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Fee Fe		Fee Fee	<u> </u>	ee Description Fee Pai	d	1254	1,450	2254	725	Extension for reply within fourth month	
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1002 33		2002 16		Design filing fee 750.00	-	1401	320	2401	160	Notice of Appeal	
1003 52	₂₀]	2003 26	0	Plant filing fee	∃]	1402	320	2402	160	Filing a brief in support of an appeal	
1004 75	50	2004 37	5	Reissue filing fee	-11	1403	280	2403	140	Request for oral hearing	
1005 16	30	2005 8	0	Provisional filing fee	-1	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	1		SI	JBTOTAL (1) (\$) 750.00	5	1452	110	2452	55	Petition to revive - unavoidable	
					4	1453	1,300	2453	650	Petition to revive - unintentional	
2. EXT	RA (CLAIM F	EES	FOR UTILITY AND REISS	JE	1501	1,300	2501	650	Utility issue fee (or reissue)	
			!	Ext <u>ra Claims below Fee Pa</u>	aid	1502	470	2502	235	Design issue fee	
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Multiple	Deber	naent		L1 1	-4	1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
Large E	ntity ee	Small E		Fee Description	ı	1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$)	Code	(\$)		ı	8021	40	802	40	Recording each patent assignment per property (times number of properties)	40.00
1202	18	2202	9	Claims in excess of 20		1809	750	2809	375	Filing a submission after final rejection	
1201 1203 2	84 80	2201 2203	42 140	Independent claims in excess of 3 Multiple dependent claim, if not pa	ا ہ	4046	750			(37 CFR 1.129(a))	
1203 2	84	2203	140	** Reissue independent claims	۱ ۱	1810	750	2810	3/5	For each additional invention to be examined (37 CFR 1.129(b))	<u> </u>
1204	٠٠]	2204	72	over original patent		1801	750	2801	375	Request for Continued Examination (RCE)	[]
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent		1802	900	1802	900	Request for expedited examination of a design application	
			elle:	TOTAL (2) (\$) -0-	71	Other	fee (sp	ecify) _			<u> </u>
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SUBMITTED BY

Name (Print/Type)

Thomas J. Finn

Registration No. (Altomey/Agent)

Signature

(Complete (if applicable)

Telephone 520.794.7980

Date 8-4-03

**or number previously paid, if greater, For Reissues, see above

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$) 40.00

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